6-3

International application No.

PCT/JP2005/002251

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl' CO2F1/72, 1/28, 1/32, 1/66, 1/70, 9/00 According to International Facet Classification (PC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched classification system followed by classification symbols: Int. Cl' CO2F1/72, 1/28, 1/32, 1/66, 1/70, 9/00 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsayo Shinan Koho 1992-1996 Jitsayo Shinan Toroku Koho 1996-2005 Electronic data base consolted during the international search (name of data base and, where practicable, search terms used) WPI C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevunt passages Relevant to claim No. X (J) JP 2000-102793 A (Witsubishi Heavy Industries, 1-3,5-7 Ltd.), 11 April, 2000 (11.04.00), Column 4, lines 15 to 26; Fig. 1 (Family: none) X (I) JP 2001-129566 A (Mitsubishi Heavy Industries, 1-3,5-7 Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 16 to 20; column 5, lines 25 to 30; Fig. 1 (Family: none) X (I) JP 201-129566 A (Mitsubishi Heavy Industries, 1-3,5-7 Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 16 to 20; column 5, lines 25 to 30; Fig. 1 (Family: none) X (I) JP 2001-1029566 A (Mitsubishi Heavy Industries, 1-3,5-7 Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 16 to 20; column 5, lines 25 to 30; Fig. 1 (Family: none) Discounted strings the general state of the ant which is not considered to be of patients relevance in the fine string and conditions are decided to be of patients are decided				2003/002231			
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Tozoku Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages X () JP 2000-102793 A (Mitsubishi Heavy Industries, 1-3,5-7 Ltd.), 11 April, 2000 (11.04.00), Column 4, lines 15 to 26; Fig. 1 (Family: none) X (2) JP 2001-129566 A (Mitsubishi Heavy Industries, Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 18 to 20; column 5, lines 25 to 30; Fig. 1 (Family: none) Total documents are listed in the continuation of Box C. See patent family annex.	B. FIELDS SE	ARCHED					
Jitsuyo Shinan Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Torroku Jitsuyo Shinan Koho 1994-2005 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X () JP 2000-102793 A (Mitsubishi Heavy Industries, 1-3,5-7 Ltd.), 11 April, 2000 (11.04.00), Column 4, lines 15 to 26; Fig. 1 (Family: none) X () JP 2001-129566 A (Mitsubishi Heavy Industries, 1-3,5-7 Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 18 to 20; column 5, lines 25 to 30; Fig. 1 (Family: none) X () Jeanily: none) See patent family amex. T	Minimum docun	nentation searched (classification system followed by cl C02F1/72, 1/28, 1/32, 1/66, 1	lassification symbols) 1/70, 9/00				
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Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X							
X JF 2000-102793 A (Mitsubishi Heavy Industries, Ltd.), 11 April, 2000 (11.04.00), Column 4, lines 15 to 26; Fig. 1 (Family: none) X DP 2001-129566 A (Mitsubishi Heavy Industries, Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 18 to 20; column 5, lines 25 to 30; Fig. 1 (Family: none) Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance: document of particular relevance: document defining the general state of the art which is not considered to be of particular relevance: document defining date or priority claim(s) or which is cited to relation to patent but published on or after the international filing date or priority claim(s) or which is cited to relation the profit date of another citation or other special reason (as specified) Or document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Determinent of particular relevance: the claimed invention cannot be considered to involve an inventive set when the document is set when the document is object of particular relevance; the claimed invention cannot be considered to involve an inventive set when the document is set when the document is object of particular relevance; the claimed invention cannot be considered to involve an inventive set when the document is object of particular relevance; the claimed invention cannot be considered to involve an inventive set when the document is object of particular relevance; the claimed invention cannot be considered to particular relevance; the claimed invention cannot be considered to particular relevance; the claimed invention cannot be considered to particular relevance; the claimed invention cannot be considered to particular relevance; the claimed invention cannot be considered to particular relevance; the claimed invention and the principle of the counter is a considered to a considered to a considered to	C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT					
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Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance Ferentier application or patent but published on or after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention A document of particular relevance: the claimed invention cannot be considered to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 22 April, 2005 (22.04.05) Name and mailing address of the ISA/ Japanese Patent Office Table document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X** document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *** Date of the actual completion of the international search 22 April, 2005 (22.04.05) Date of mailing of the international search 17 May, 2005 (17.05.05) Authorized officer Telephone No.	х (2)	Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 18 to 20; col 30; Fig. 1		1-3,5-7			
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"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other priority date claimed "Date of the actual completion of the international filing date but later than the priority date claimed Date of the actual completion of the international search 22 April, 2005 (22.04.05) Name and mailing address of the ISA/ Japanese Patent Office Telephone No.	See patent raining armed.						
22 April, 2005 (22.04.05) Name and mailing address of the ISA/ Japanese Patent Office Facsimile No. 17 May, 2005 (17.05.05) Authorized officer Telephone No.	"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family				
Japanese Patent Office Facsimile No. Telephone No.	22 April, 2005 (22.04.05)		17 May, 2005 (17.05.05)				
			Authorized officer				
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International application No.
PCT/JP2005/002251

Category*	Citation of document, with indication, where appropriate, of the relevant passages Releva	
x (3)	JP 2001-129569 A (Mitsubishi Heavy Industries, Ltd.), 15 May, 2001 (15.05.01), Column 4, lines 23 to 28; Fig. 4 (Family: none)	1-3,5-7

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1.
Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: The matter common to the inventions according to claims 1 to 13 is "a wastewater treatment apparatus for treating a wastewater containing a substance being difficult to decompose, which comprises a wastewater treatment tank for treating a waste water and an oxidizing agent addition device for adding an oxidizing agent to said wastewater treatment tank". This matter is known to the public before the priority date of the present international application, as disclosed in each document cited in this international search report, and therefore is not "special technical feature" in the meaning of PCT Rule 13.2. (continued to extra sheet)
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
 4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 - 3 and 5 - 7
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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Continuation of Box No.III of continuation of first sheet (2)

Further, "a wastewater treatment apparatus for treating a wastewater containing a substance being difficult to decompose, which comprises a wastewater treatment tank for treating a waste water, an oxidizing agent addition device for adding an oxidizing agent to said wastewater treatment tank, an alkali agent addition device for adding an alkali agent to the wastewater treatment tank, and an ultraviolet ray irradiation device for the irradiation of an ultraviolet ray" is also known to the public before the priority date of the present international application, as disclosed in each document cited in this international search report, and therefore is not "special technical feature" in the meaning of PCT Rule 13.2.